



DEPARTMENT OF HEALTH
DIRECTORATE: RADIATION CONTROL



GUIDELINES

DISPLAY AND FORMAT OF RADIATION WARNING SIGNS AT ENTRANCES TO ROOMS CONTAINING X-RAY UNITS

1. DISPLAY OF RADIATION WARNING SIGNS

- 1.1 Radiation warning signs must be displayed at the entrances to all areas where the operator of an X-ray unit in that room or area is subjected to individual monitoring.

2. FORMAT OF RADIATION WARNING SIGNS

The sign (fig 2) shall be triangular in shape, has a golden yellow background (suitable SABS 1091 colour) and a black border.

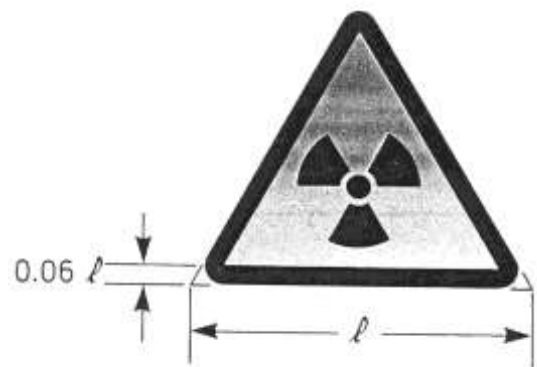
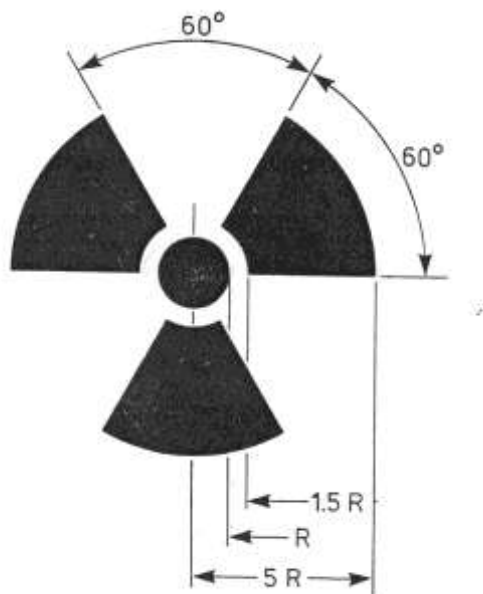
- 2.2 The minimum length for the legs of the triangle shall be 150mm.
2.3 The basic symbol shall be black with the design and proportions as in fig 1.
2.4 At least 50% of the area of the sign shall be yellow; consequently, the relative sizes of the triangle and the symbol have to satisfy the following conditions:

$$l \geq 27R$$

- 2.5 The sign must be fixed in a prominent position and easily visible.

Fig 1 Basic symbol

Fig 2 Warning sign



2.6 Explanatory wording, however not compulsory, may be used to give information about access or to identify an area. Wording must be kept to a minimum. The wording must be put on a supplementary sign that shall be oblong or square with the text in black on a background which is white or golden yellow.

2.7 A warning sign and its supplementary sign may, if desired, be mounted on a common white background. Examples of warning and supplementary signs are given in figures 3, 4 & 5.

2.8 The material of the warning and supplementary signs must be water and oil resistant.

Fig 3 Entry of controlled area

Fig 4 Storage cabinet





**Controlled
Area**

Fig 5 Sign on the door of an x-ray room



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Documents of the NRPB, Occupational, Public and Medical Exposure, vol. 4 no. 2 1993

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